

SAN JUAN RIVER BASIN

09379050 LUKACHUKAI CREEK NEAR LUKACHUKAI, AZ

LOCATION--Lat 36°28'39", long 109°20'58" (unsurveyed), Apache County, Hydrologic Unit 14080204, in Navajo Indian Reservation, on left bank 8 mi northwest of Lukachukai, AZ.

DRAINAGE AREA--Unknown.

PERIOD OF RECORD--Nov. 1999 to current year.

GAGE--Water-stage recorder. Elevation of gage is 5,750 ft above sea level, from topographic map.

REMARKS--Records poor. Many small diversions upstream for irrigation and livestock.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 4,000 ft³/s Sept. 10, 2002, at 1345, gage height, 8.17 ft, from an extension of the rating curve. Minimum daily discharge, no flow for many days.

EXTREMES FOR CURRENT YEAR--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
	Aug. 15	1430	*1,670	*6.06
	Sept. 6	1345	1,220	5.45

Minimum daily discharge, no flow for many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.02	0.82	2.1	e1.0	1.4	5.2	5.5	4.6	0.08	0.03	0.00	0.00
2	e0.03	0.72	0.94	e1.0	1.5	5.9	6.2	4.0	0.07	0.03	e20	0.01
3	0.28	0.63	1.6	e1.0	1.00	4.0	6.0	3.8	0.05	0.03	e0.50	0.01
4	0.26	0.64	1.0	e1.0	0.85	4.9	5.1	3.6	0.01	0.03	e0.05	0.02
5	0.14	0.49	1.1	e1.0	e1.2	5.4	5.7	2.9	0.01	0.03	e0.03	0.02
6	0.05	0.41	0.94	e1.0	e1.0	3.8	5.7	2.5	0.01	0.03	0.02	54
7	0.02	0.54	1.1	1.2	e1.0	4.2	5.8	2.5	0.01	0.02	0.04	0.67
8	0.02	0.76	1.1	1.1	e1.0	4.4	5.9	2.4	0.01	0.02	0.04	e0.02
9	0.02	0.98	0.94	1.4	e1.3	4.2	7.6	2.9	0.03	0.03	0.03	41
10	0.02	8.6	e0.67	2.0	e1.4	4.2	10	2.5	0.02	0.03	0.03	6.7
11	0.02	1.9	e0.56	2.4	e2.0	4.5	16	2.2	0.02	0.03	2.3	0.25
12	0.02	1.0	e0.76	2.0	e2.5	4.6	23	1.7	0.03	0.04	0.88	0.03
13	0.02	1.1	e1.0	1.6	3.0	4.7	27	1.2	0.03	0.03	0.00	0.02
14	0.02	0.79	e1.4	1.6	3.5	5.1	30	1.7	0.02	0.03	0.00	0.01
15	0.02	0.77	1.4	1.6	3.0	5.2	27	1.8	0.02	0.02	104	0.01
16	0.02	0.50	1.1	1.1	2.2	5.5	16	1.9	0.03	0.03	13	0.01
17	3.1	0.58	1.4	1.4	2.1	6.7	12	1.2	0.03	0.03	0.71	0.00
18	2.5	0.92	1.1	e1.0	6.4	12	8.9	0.93	0.03	0.03	0.12	0.00
19	0.64	0.67	e1.0	e2.0	3.7	12	6.8	0.66	0.05	0.05	0.08	0.01
20	0.45	0.84	e1.0	1.7	3.3	9.2	5.7	0.34	0.03	6.8	0.06	0.01
21	0.39	1.2	e1.0	1.6	2.5	11	5.3	0.28	0.01	e1.0	0.06	0.01
22	0.36	0.97	e0.50	1.6	2.2	7.9	5.1	0.23	0.01	e0.05	0.15	0.01
23	0.49	0.82	e0.50	1.4	2.2	6.6	4.8	0.22	0.02	0.04	16	0.01
24	0.59	0.69	e0.50	1.7	2.6	6.8	4.4	0.22	0.02	0.04	1.0	0.01
25	0.53	0.95	e0.50	1.6	3.3	6.8	9.8	0.19	0.03	0.04	16	0.01
26	0.74	0.58	e0.50	1.8	5.2	6.2	9.5	0.19	0.03	0.04	2.1	0.01
27	2.0	0.60	e0.50	1.8	6.2	6.6	8.5	0.17	0.03	1.4	0.04	0.02
28	1.1	0.59	e0.50	1.5	6.4	5.8	8.0	0.12	0.02	0.82	0.01	0.02
29	2.1	1.00	e1.0	1.6	---	5.3	7.2	0.12	0.03	0.00	0.01	0.03
30	1.8	1.7	e1.0	1.6	---	5.3	6.0	0.11	0.03	0.00	0.01	0.03
31	1.1	---	e1.0	1.6	---	5.2	---	0.09	---	0.00	0.01	---
TOTAL	18.87	32.76	29.71	45.9	73.95	189.2	304.5	47.27	0.82	10.80	177.28	102.96
MEAN	0.61	1.09	0.96	1.48	2.64	6.10	10.2	1.52	0.027	0.35	5.72	3.43
MAX	3.1	8.6	2.1	2.4	6.4	12	30	4.6	0.08	6.8	104	54
MIN	0.02	0.41	0.50	1.0	0.85	3.8	4.4	0.09	0.01	0.00	0.00	0.00
MED	0.28	0.78	1.0	1.6	2.2	5.3	7.0	1.2	0.03	0.03	0.06	0.01
AC-FT	37	65	59	91	147	375	604	94	1.6	21	352	204

CAL YR 2002 TOTAL 401.46 MEAN 1.10 MAX 100 MIN 0.00 MED 0.39 AC-FT 796
WTR YR 2003 TOTAL 1034.02 MEAN 2.83 MAX 104 MIN 0.00 MED 0.98 AC-FT 2050

e Estimated